

Professional Engineering Services

Basic Integration Capabilities

You made the right decision by selecting DVTel's award-winning intelligent Security Operations Center (iSOC™) solution to run your security platform. DVTel's platform offers best-in-class network video management, access control, analytics, and audio fully controllable from a single user interface. In addition, the iSOC™ platform provides a comprehensive interface to third-party applications to enable a fully-integrated deployment. Whether it be basic exchanges of alarm information or complex interfaces to third-party data, the iSOC™ platform can enable realization of your vision.

Basic Interfaces with the iSOC™ Solution

DVTel offers a range of basic interfaces to third-party applications with its iSOC™ security solution. These include generic keyboard emulation capabilities, serial port interfacing, support of the ASCII protocol, and a robust XML exchange module. The benefits and detriments of each are detailed as follows:

Keyboard Emulation Interface:

The iSOC™ solution is able to accept most industry-standard protocols out-of-the-box. For third-party applications supporting these commands, interfacing between the two platforms can be as simple as a connection to a client workstation running ControlCenter or directly to a DVTel encoder or decoder. DVTel listens for keyboard commands emanating from this port and responds accordingly.

- Benefits: Enables simple interfacing between applications
- Detriments: Requires an encoder, decoder, or active session of ControlCenter to operate correctly. Not recommended for installations where interface may be heavily used. Limited to listening interface only (no bi-directional communication)
- Cost: One keyboard connection license per interface

Serial Interface:

Direct serial connections can enable the iSOC™ solution to respond to commands from third-party sources. This enables interfacing with applications supporting industry-standard protocols with neither the need for additional hardware nor requirement to have a continuous session of ControlCenter operating. DVTel listens for alarms emanating from this port and responds accordingly.

- Benefits: No additional hardware required. Runs as a service on DVTel client or server, queuing commands when there is a high degree of traffic from the third-party source
- Detriments: Requires a serial connection to a server or client. Response limited to third-party alarm names and IDs only
- Cost: One Serial Integration Module per interface

IP ASCII Interface:

DVTel is able to pull third-party information directly from your network via its IP ASCII interface. This enables all of the benefits from the Keyboard and Serial interfaces to be realized without the need for additional hardware or wiring. Through this interface most alarm-based functionality can be achieved, including: alarm triggering, alarm acknowledgement, and responses to motion events. This service also operates bi-directionally, enabling DVTel to serve as both the listener and actor in complex deployments.

- Benefits: No additional hardware or wiring required. Runs as a plug-in within the iSOC™ platform
- Detriments: Response limited to third-party alarm names and IDs only
- Cost: One IP ASCII Integration Module per interface

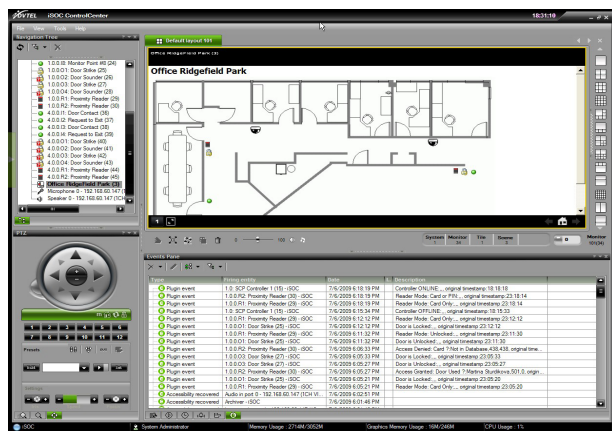
XML API:

The iSOC™ solution offers a robust XML API for interfacing with third-party applications at the event level. This enables the deployment of complex solutions wherein alarm information is passed between third-party sources, queries are able to be run to retrieve data across applications, and users are able to obtain a more complete picture of events occurring within their operational space.

- Benefits: No additional hardware or wiring required. Runs as a plug-in within the iSOC™ platform. Able to interface with third-party applications on an event level, spanning one to many iSOC™ Systems. Provides an echo interface for heart-beat (keep alive) functionality
- Detriments: Limited by the data available within XML strings
- Cost: One XML API Module per interface

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Advanced Integration Capabilities



In addition to DVTel's standard interfaces for third-party applications, the iSOC™ solution enables true integration with applications spanning the security, building automation, and IT domains. Such integrations are built atop the robust Applications Programming Interface (API) inherent in the iSOC™ platform. This same interface is utilized by both ControlCenter and AdminCenter, providing third parties access to the same functionality as the standard DVTel application.

Advanced Interfaces with the iSOC™ Solution

DVTel offers a comprehensive API / SDK interface for integrations with third-party applications. The iSOC™ platform enables you to customize the operational environment to maximize efficiency in setup and control. The possibilities of this are limited only by your imagination, with examples including the administration of multiple platforms, unified operation of both iSOC™ and third-party elements, and even the complete overhaul of the Graphical User Interface (GUI).

Highlights of some of the most poignant of these enhancements are as follows:

Operational Integration Enhancements:

DVTel's iSOC™ platform can be integrated with third-party applications to unify the operation of multiple systems, enhancing the effectiveness of operators and reducing the time required to assess and respond to security threats. DVTel offers a full line of standard integrations enabling such enhancements, as well as the ability to develop custom integrations for specific customer sites. A list of benefits derived is as follows:

- Enable complex logic for automated responses, such as performing an action on one system based on the event data provided by another. For example, on the receipt of an event from the building automation system issue a command to begin recording and lock all doors
- Retain event data for later analysis spanning multiple platforms. For example, recording doors accessed by personnel for later querying of video associated with each access granted transaction
- Integrated display of data from multiple sources. For example, displaying video logically associated with a door when the door icon is dropped into a video tile
- Unified display and operation of entities from all sub-systems on the same security map
- Complete functionality available with either the iSOC™ or third-party application serving as the front-end user interface

Support and Administration Integration Enhancements:

The iSOC™ solution can be integrated with third-party applications to unify the support and administration of elements belonging to each sub-platform, reducing the time required to implement and maintain even the most complex installations. DVTel offers a full line of standard integrations enabling such enhancements, as well as the ability to develop custom integrations for specific customer sites. A list of benefits derived is as follows:

- Automated installation of third-party components within the iSOC™ platform, including alarms and edge devices
- Unified health status information, including: input pin status, edge device status, and server status spanning both sub-platforms
- All integration modules run as a plug-in within the iSOC™ solution, benefiting from the resiliency capabilities of the platform and resulting in enhanced system uptime
- A full range of SDK Training Courses and Development Support Services are available to ensure a successful integration effort